# GOVERNMENT OF INDIA
# RAILWAYS
# LOK SABHA

UNSTARRED QUESTION NO:565
ANSWERED ON:27.04.2016
Generation Targets of Green/ Renewable Energy
Fatepara Shri Devajibhai Govindbhai

**Will the Minister of RAILWAYS be pleased to state:**

(a) whether the Government has fixed a target to generate 1000 Mega Watt solar energy and 150 Mega Watt wind energy by the year 2020 for consumption in the operation/functioning of the trains across the country;

(b) if so, the details thereof along with the achievements made by the Government in this regard so far;

(c) the mechanism put in place by the Government to ensure generation of the said green/renewable energy by the year 2020 keeping in view the achievements made in this regard so far;

(d) whether the Government has conducted any study to ascertain the impact of such green energy on the profitability/operating ratio of the Railways by the year 2020; and

(e) if so, the details thereof?

## Answer

MINISTER OF STATE IN THE MINISTRY OF RAILWAYS

(SHRI MANOJ SINHA)

(a) Indian Railways proposes to harness 1000 Mega Watt (MW) solar and 150 MW wind energy by the year 2020.

(b) A total of about 50 MW renewable energy capacity has been installed till date including approximately 11 MW solar power & 37 MW wind power. In addition, installation of 6.5 MW is in progress and for about 50 MW solar capacities, Request For Qualification (RFQ) has been issued by Zonal Railways.

(c) For harnessing renewable energy sources for Railway requirements, the mechanism put in place include signing of Memorandum of Understanding (MoU) between Ministry of Railways and Ministry of New & Renewable Energy (MNRE), finalisation of Model Bid documents for rooftop solar power plants etc. with the financial support of MNRE. Based on these Model Bid Documents, Zonal Railways have floated tender documents for installation of solar rooftop plants at Railways premises.

(d) & (e) Such renewable energy plants are being put up in Railways in an economical manner to reduce the cost of energy with Viable Gap Funding (VGF) from Ministry of New & Renewable Energy.

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